

ABSTRACT OF THE DISCLOSURE

An electrochemical sensor based on a three-electrode method containing a reference electrode, comprising: A working electrode 2, a counter electrode 3 and a reference electrode 4 formed on an insulating substrate 1; an examining electrode 8 provided to examine an electric potential of the reference electrode 4; a combining layer 20, an immobilized enzyme layer 21 and a diffusion-limiting layer 22 made of a fluoro resin provided on voltmeter is provided on these electrodes, between the examining electrode 8 and the reference electrode 4 so that the electric potential of the reference electrode can be examined; to detect an abnormality in the reference electrode immediately after its occurrence, recover a high reliability of measured value by removing the abnormality quickly, make it possible to conduct a continuous measurement for a long time and furthermore try to reduce a running cost.

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